

APTER POWER PRODUCT GUIDE

IMDSO14

Digital Output Module

ABB IMDSO14 is a sixteen-channel Harmony rack digital output module for 24 VDC or 48 VDC field circuits. It receives controller output states and applies them through the matched rack termination path.

Manufacturer	ABB
Model	IMDSO14
Product type	Digital Output Module
Product family	Harmony Rack I/O
Country	Sweden
HS code	8537101190
Shipping origin	Xiamen, Fujian, China

APTER POWER SALES TEAM

INDUSTRIAL AUTOMATION PRODUCT SUPPORT

Three interface paths, one controlled configuration.

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SCAN FOR PRODUCT & QUOTE

1. Installation identity and system fit

- Harmony mounting unit
- digital-output termination hardware
- 24 or 48 VDC field supply
- rack multifunction controller

Controlled configuration

Complete model	IMDSO14
Product type	Digital Output Module
System family	Harmony Rack I/O

2. Wiring, configuration and commissioning

- 1 Place all controlled equipment in its engineered safe state.
- 2 Confirm field voltage and output polarity before connection.
- 3 Match Function Code 83 channel assignments to the wiring schedule.
- 4 Prove each load individually before automatic operation.

Commissioning hold point

Important Notice: IMDSO14 output voltage, channel mapping, field polarity and safe-state behavior must be verified together before the rack returns to service.

3. Application and functional verification

Solenoid valve command circuits

Switches discrete field loads from controller commands

Interposing relay outputs

Groups sixteen output points in the rack architecture

Motor starter control

Communicates through the I/O expander bus

Discrete alarm and permissive outputs

Provides front-panel status for service checks

Associated system components

- Harmony mounting unit
- digital-output termination hardware
- 24 or 48 VDC field supply
- rack multifunction controller

4. Maintenance and replacement record

What wiring check is essential for IMDSO14?

Confirm output polarity, common grouping, channel number and terminal assignment against the cabinet drawing.

How is an IMDSO14 channel commissioned?

Issue a controlled command with the process isolated and verify terminal voltage, load response and feedback.

Can IMDSO14 be selected only by its connector shape?

No. Confirm the complete identifier, field voltage, channel function and termination arrangement.

What maintenance evidence should be recorded for IMDSO14?

Record module status, output test results, supply checks and the final safe-state verification.

Official source

ABB Harmony Rack Controller Product Overview WBPEEUS230002B1

https://library.e.abb.com/public/1c7ed919c3349939c1256d29005d5c48/WBPEEUS230002B1_-_en_Harmony_Rack_Controller_Product_Overview.pdf

ASK FOR QUOTE

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